082K048

Vegetation Map
082K048

Scale: 1:20,000

0 0.25 0.5 0.75 1 Kilometers

0 0.25 0.5 Miles

Vegetation Data Source: MFLNRO - VRMS / Ownership
Base Map Source: TRIM / Terrain

This map is created from information stored digitally in the BC Geographic Warehouse. The map has been structured to support the analytical functions of the Ministry of Forests, Lands, and Natural Resource Operations. The information portrayed may not be complete and up to date Cadastral, all administrative boundaries and the Ownership colour theme are for reference purposes only. (Legend revisions June 2014).

Labels Projected To: January 1, 2016

MAP SYMBOLOGY

Forest Inventory Features:
- Forest Vegetation Polygons
- Structure Opening in Vegetation
- Permanent Sample Plot (VRI)
- Research Installations

TRIM - Base Features:
- All Built Roads
- Forest Tenure Road Lines
- Paved Roads
- Rough Roads
- Trails/Cutlines
- Railways
- Air Fairies
- Other Lines
- Powerline
- Pipeline
- Buildings
- Misc Areas
- Misc Lines
- Water Lines
- Hydro/Aqueducts - ESM
- Watercourses - ESM
- Waterbodies - ESM
- Wetlands - ESM
- Ocean - ESM

Administrative Boundaries:
- BC Provincial Boundary
- MFLNRO Region boundary
- Resource District boundary - FADM
- INV_Region-Compartment - FADM
- Provincial Forest area - FADM
- Timber Supply Area-Block - FADM
- Tree Farm Licences - FADM
- Land District boundary
- Administrative boundary
- Survey Parcels - Tantalis
- Municipal boundary (> 1,000,000 ha) - no hatch
- Municipal boundary (> 1,000,000 ha) - no hatch
- National Parks
- First Nations
- Provincial Parks
- Ecological Reserves
- Protected Areas
- Recreation Areas

Other:
- BCGS Watsheet Grid (1:20,000)

VEGETATION LABEL DETAILS

Example of a Vegetation Label:

LINE	DESCRIPTION
1	Silviculture symbol and Opening Number
2	Polygon Number and multi-layer stand indicator (L)
3	Species Composition
4	Age, Height, Crown Closure Class Code - separator: Site Index / estimated SI: ex. stand is age class 2 (21-40 yrs), height class 1 (0.1-10.4m), crown closure class 1 (6-15%), SI 20m
5	Vegetated Density Class (or Non-Forest/Productive Descriptor): ex. a herb polygon with no distinction between forbs and graminoids, shrubs less than 2m.
6	Disturbance History & year - ex: logged in 1978

Line 1 - History Record Opening Number

opening number valid for BCGS map sheet

OOOX - opening number has not been assigned

Line 2 - Polygon No. / Multi-layer:

VRIMS Polygon Number - ranging from one to nine digits
/L - Multi-layered stand (a separate description of each layer is available in the data base, i.e. 1,2)

Line 3 - BC Tree Code List

Species Composition: Species are labeled in their order of predominance. Major first Minor in brackets.
The following codes are based on "The B.C. Ministry of Forests Tree Code List" version 4.5 dated January 2009.

NATIVE CONIFERS

E	ESSAY
Dr	Western Red Cedar
Y	YEW
Yc	Yellow Cedar
F	DOUGLAS FIR
Fd	Douglas Fir
Fdc	Coastal Douglas Fir
Fdi	Interior Douglas Fir
Hw	HEMLOCK
Ha	Amabilis Fir
Hg	Grand Fir
Hm	Mountain Hemlock
Hw	Western Hemlock
Hwh	Western Hemlock hybrid
J	JUNIPER
Jf	Rocky Mtn. Juniper
Js	Western Juniper
L	LARCH
La	Alpine Larch
Lt	Tamarack
Lw	Western Larch
P	PINE
Pa	Alpine Pine
Pl	Lodge Pole Pine
Pli	Lodgepole Pine
Plc	Lodgepole Pine (contorta)
Plj	Lodgepole x Jack Pine hybrid
Py	Ponderosa Pine (yellow)
Pw	White Pine
Pw	Western White Pine
Pw	Whitebark Pine
S	SPRUCE
Ss	Sitka Spruce
Se	Engelmann Spruce
Sw	White Spruce
Sx	White Spruce
Sx	Spruce hybrid
Sxb	Spruce - Sitka white
Sxl	Spruce - Lutzy
Sxs	Sitka x unknown hybrid
Sxw	White x
Ts	Western Yew

NATIVE HARDWOODS

D	ALDER
Dr	Red Alder
Ds	Sitka Alder
Up	Paper Birch
A	ASPEN, COTTONWOOD or POPLAR
At	Trembling Aspen
Apb	Balsam Poplar
Abl	Black Cottonwood
Abt	Black Cottonwood
At	Trembling Aspen
B	BIRCH
Ba	Alaska Paper Birch
Bap	Alaska x Paper Birch hybrid
Bp	Paper Birch
K	CASCARA
C	CHERRY
Cr	CHERRY
Vs	Bitter Cherry
Vu	Choke Cherry
Vp	Pin Cherry
G	DOGWOOD
Gp	Pacific Dogwood (western flowering)
M	MAPLE
Mb	Bigleaf Maple (broadleaf)
Mv	Vine Maple
O	OAK
Og	Garry Oak
W	WILLOW
Wb	Bebb's Willow
Wp	Pacific Willow
Wpb	Pacific Willow (Barrett's)
Wr	Peace Willow (gracilistyla)
Ws	Scouler's Willow
Wt	Sitka Willow (sitchensis)

UNKNOWN - OTHER

X	unknown conifer
Xc	unknown hardwood
Xh	unknown (conifer or hw)
Zz	other conifer
Zx	other hardwood

EXOTICS

Ue	APPLE
Ae	ASPEN, COTTONWOOD or POPLAR
Aw	*Southern Cottonwood
Be	BIRCH
Ep	*European Birch
Es	Silver Birch (exempt)
Ey	*Yellow Birch
Ue	CHERRY
Vs	Sweet Cherry
Ue	CHRISTMAS
Ue	*Unidentified Cedar
Fff	FIR (Subalpin)
Bl	*Balsam Fir
Bn	*Noble Fir
Bp	*Pacific Red Fir
Bs	*White Fir
Lt	LARCH
Le	*European Larch
Ll	*Siberian Larch
Ue	MAPLE
Mn	Norway Maple
Mp	*Sycamore Maple
Ue	OAK
Oc	*English Oak
Oe	*White Oak
Ue	PINE (SPECIES
Cl	*Austrian Cedar
Cd	*Giant Sequoia
Cs	*Incense Cedar
Cw	*European Mountain Ash
Ce	Eastern Elm (southern)
Ue	Cryptomeria
Cj	Cryptomeria
Cf	*White fir
Ue	Unidentified Hickory
Ch	*Smooth Hawthorn
Ck	Japanese Walnut
Ue	PINE
Pn	*Monterey Pine
Pr	*Red Pine
Pp	*Ponderosa Pine
Ue	SPRUCE
Sn	*Norway Spruce

Line 4

4a. AGE CLASS

CODE	LIMITS (years)
1	0-20
2	21-40
3	41-60
4	61-80
5	81-100
6	101-120
7	121-140
8	141-250
9	251 +

4b. HEIGHT CLASS

CODE	LIMITS (metres)
1	0.1 - 10.4
2	10.5 - 19.4
3	19.5 - 28.4
4	28.5 - 37.4
5	37.5 - 46.4
6	46.5 - 55.4
7	55.5 - 64.4
8	65.5 +

4c. CROWN CLOSURE CLASS

CODE	LIMITS (percentage)
1	0 - 5
2	6 - 15
3	16 - 25
4	26 - 35
5	36 - 45
6	46 - 55
7	56 - 65
8	66 - 75
9	76 - 85
	86 - 100

4d SITE INDEX

All SI are shown to the nearest meter referenced at 50 years breast height age. Site Index is not applicable to non-treed or treed leading species. Where an accurate SI cannot be obtained, from age and height, estimated SI is shown after, or replaces the SI.

4e. ESTIMATED SITE INDEX

SI is estimated when suitable SI trees aren't present, e.g. immature stands, or stands that are all dead. The estimated SI is provided in Associated fields in the data base as Inventory Type Group and SI Estimated source code.

Line 5 - Vegetation records :

VEGETATED NON-TREE CATEGORIES (for V and I records)

NON-TREED SHRUB

s	SHRUB - shrub with average shrub height >= or = to two metres.
d	DWARF SHRUB - shrub with average shrub height < two metres.

NON-TREED HERB

he	HERB - herb with no distinction between forbs and graminoids.
hf	HERB - FORBS - herb with forbs > 50% of the herb cover.
hg	HERB - GRAMINOIDS - herb with graminoids > 50% of the herb cover.

NON-TREED BRYOID

by	BRYOIDS - bryoid with no distinction between mosses and lichens by cover.
bm	BRYOID - MOSSES - bryoid with mosses > 50% of the bryoid cover.
bl	BRYOID - LICHENS - bryoid with lichens > 50% of the bryoid cover.

NON VEGETATED

n	None - Unclassified
a	Snow / Ice

NON VEGETATED CATEGORIES (for N and I records)

ai	AIRPORT	gr	GRAVEL PIT
be	BEACH	la	LAKE
bl	BEDFIELD	lb	LAKE BED
br	BEDROCK	lg	LANDING
bu	BURNED AREA	lk	POND or LAKE SEDIMENTS
cb	CUTBANK	mi	MINE - OPEN
ex	EXPOSED SOILS	mn	MORAINE
gl	GLACIER		

Note: Water categories (la, ss, rr, rl) not labeled over 80 percent coverage.

mu	MUDFLAT SEDIMENT	rm	RESERVOIR MARGIN
mp	RUBBLY MINE SPOILS	rw	RAILWAY SURFACE
ot	OTHER	rd	ROAD SURFACE
ot	OTHER	rs	ROAD SURFACE
pe	SNOW COVER	ta	TALUS
rr	RIVER	tz	TIDAL ZONE
rl	RIVER ULTRAKM	ur	URBAN

NON-FOREST / NON-PRODUCTIVE DESCRIPTOR CODES (for I records)

A	ALPINE	NP	NON PRODUCTIVE
AF	ALPINE FOREST (Species	NPBR	NON PRODUCTIVE BRUSH
C	CULTIVATED	NPBU	NON PRODUCTIVE BURN
CL	CLAY BANK	NPF	NON PRODUCTIVE FOREST (Species
D	DEBRIS AREA	NPX	NO TYPING AVAILABLE
GR	GRAVEL PIT	OC	OPEN CANOPY
ICE	ICEFIELD	P	HAYFIELD
L	LOGGED	R	ROCK
MUD	MUDFLAT	S	SWAMP

SAND	SAND		
SLAT	SLASH / DAT		
U	URBAN		
NC	NON COMMERCIAL		
NCBR	NON COMMERCIAL BRUSH		
NP	NO N PRODUCTIVE		
NPSTK	NOT SUITABLE FOR BEING STOCKED		
NTA	NO TYPING AVAILABLE		

Line 6 - Disturbance History

Disturbance type code proceeded by symbol, followed by earliest date
First character of disturbance type designates category, refer to official code list for sub-category descriptions.

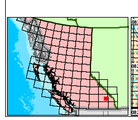
A	Animal Damage	L	Logging
B	Wildfire	M	Mine Damage
C	Cone and Seed Insects	N	Non-Biological Injuries
D	Disease	P	Cone and Seedling Fungal Pathogens
H	Harvest		
		R	Site Rehabilitation
		T	Treatment Injuries
		U	Damage Unknown
		V	Problem Vegetation

Example Opening History Details

Detailed Silviculture information is available on the BCGW utilizing either MF or ArcMap. The MapView example is of themed RESULTS data.

The Ministry of Forests, Mines and Lands web application MAPVIEW is available to view this type of detailed information. Select the SILVICULTURE tab then click on "Display Silviculture Map" to turn on display values for -
- OPENING
- OPENING LABELS
- SILVICULTURE TREATING ACTIVITY
- ACTIVITY TREATMENT UNIT
- STANDARDS UNIT
- SILVICULTURE FOREST COVER
- WILDLIFE TREE PATCH







082K048

082K048